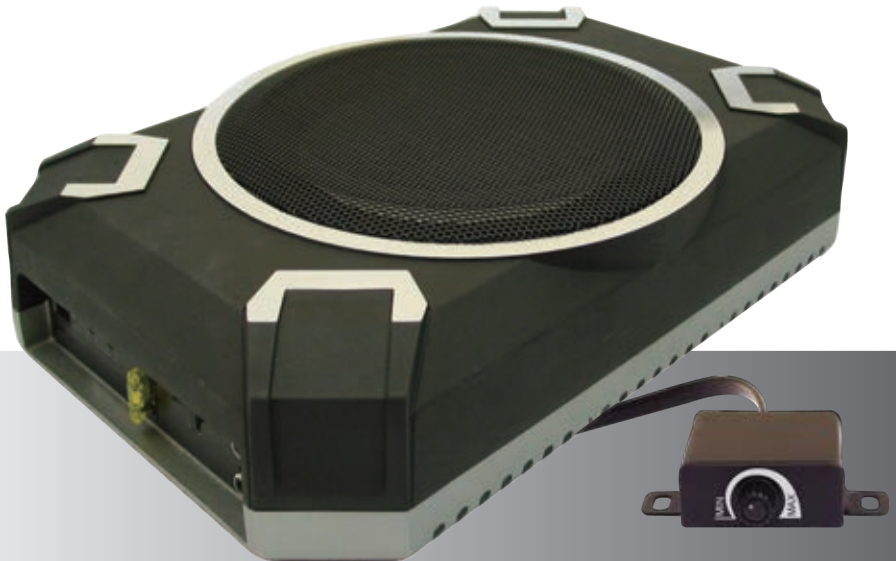




ASS1008

8" SLIMLINE ACTIVE SUBWOOFER
WITH BUILT IN AMPLIFIER

Instruction Manual



320W MAX

ACTIVE
SUBWOOFER

www.dnaaudio.com.au

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Thank you for purchasing this DNA Designer Audio product. It is designed to give you many years of enjoyment. DNA Designer Audio recommends installation by a professional installer.

Read all instructions fully before installation.



RCA leads and power cable are recommended for the installation of this product. Sold separately.

See www.dnaaudio.com.au for our complete product range.

Supply Voltage: 13.8V DC (10-16V allowable)
Ground: Negative

General features:
Output impedance: 4 ohm

Power:
Max Power output 320W
RMS Power output 80W

Audio controls and specifications:

Remote control supplied for bass
boost adjustment in vehicle

Frequency response: 30~120Hz
Low level input: 200mV~2.0V
Bass boost frequency: 50Hz
Bass boost level: 0~12dB
S/N Ratio @ 100Hz: 98dB
RMS power consumption 80W
Quiescent Power Dissipation: 5W

Measurements: 319mm L x 215mm W x 70mm H
Weight: 4.3kg

NOTE: Specifications and design are subject to modification without notice due to improvement in technology.

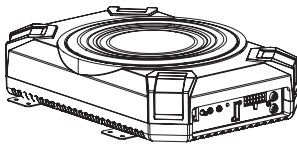
An extremely compact, slimline subwoofer. The ASS1008 has been developed with flexibility and functionality in mind. The 70mm high active subwoofer can be mounted vertically or horizontally. It takes up a minimum amount of space in the boot, under the parcel shelf and virtually disappears under the seat.

Inside the ASS1008 sealed enclosure is a 320 Watt Max amplifier that supports a powerful sound experience. The subwoofer delivers a clear and strong sounding bass. Equipped with RCA & speaker level inputs this subwoofer can easily be integrated using existing speaker connections.

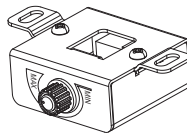
If your goal is quality sound without compromising your boot space, this is the subwoofer for you. Small and compact allowing installation under the passenger seat. Don't be fooled by the size the 320 Watt Max amplifier ensures you are not short on power.

Inclusions

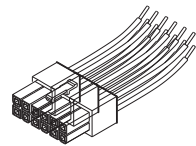
Here is a list of the contents in your 8" Slimline Active subwoofer.



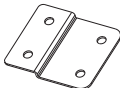
Slimline Active subwoofer
(ASS1008)



Bass Boost
Control



Wiring Loom



4 x Mounting Brackets



15Amp Fuse



8 x Mounting Screws
(4mm x 8mm)



10 x Mounting Screws
(4mm x 15mm)

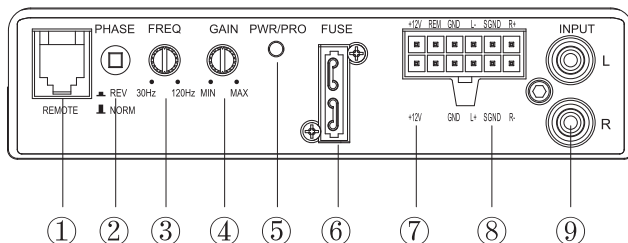
Alteration or modifications carried out without appropriate authorisation may invalidate the users right to operate the equipment and void warranty.

⚠ CAUTION

- Never replace the fuse with one of greater value. Use of improper fuse could result in overheating, smoke and could cause injury including burns.

WARNING

- Do not touch amplifier with wet hands. Risk of shock.
- For traffic safety and to maintain safe driving conditions, keep the volume low enough so that you can hear normal traffic sounds.
- Check the connections of the power supply and speakers regularly. If a fuse blows solve the problem before replacing with a new fuse of the same rating.
- To prevent malfunction of the amplifier and speakers, the protective circuit will cut the power supply to the amplifier. In such case, switch off the system and check all connections. Detect the cause and solve the problem.
- Contact your installer or dealer if you can not solve the problem.
- To prevent an electric shock or short circuit during installation be sure to disconnect the negative battery terminal beforehand.
- Confirm that no parts are behind the panel when drilling holes for installation of the amplifier. Be sure to protect cables and important equipment such as fuel lines, brake lines and electrical wiring from damage.
- DO NOT allow amplifier to come into contact with liquids. Electrical shock, amplifier damage and speaker damage could result. In addition, the amplifier surface and of any attached speakers could become hot to touch and minor burns could result.
- If there is smoke or any peculiar odor present during use unplug the power cord.



1. Remote Control Input

Plug in to operate the remote subwoofer volume control.

2. Phase Switch

Use this switch to help compensate for time alignment issues in your system. Such problems usually occur when the subwoofer is further away to the listener compared to the vehicle speakers in the system.

3. Crossover Frequency Adjustment

This control permits you to define the frequency you want the subwoofer to receive. The subwoofer will reproduce all sound below the frequency you set.

4. Gain (Volume) Adjustment

- a.) After you have installed your system, turn this control to a minimum.
- b.) Turn the head unit on; the subwoofer will turn on via the remote connection. Turn the head unit volume to about 66% full level.
- c.) Slowly turn up the subwoofer gain control unit, you will hear a small amount of distortion. Then reduce the level until the distortion is completely gone. Leave the control at this setting.

5. Power indicator light

6. Fuse

7. Power Terminals

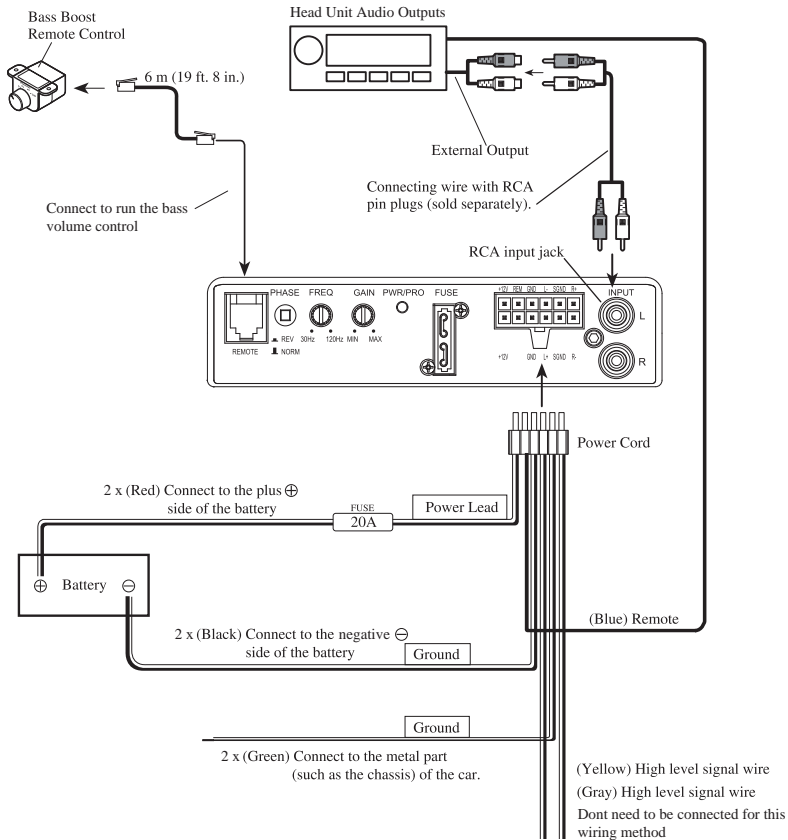
8. High Level Inputs

9. Low Level RCA Inputs

Low level RCA inputs are recommended to deliver audio signal to the subwoofer.

WIRING USING RCA SUB OUT (Recommended)

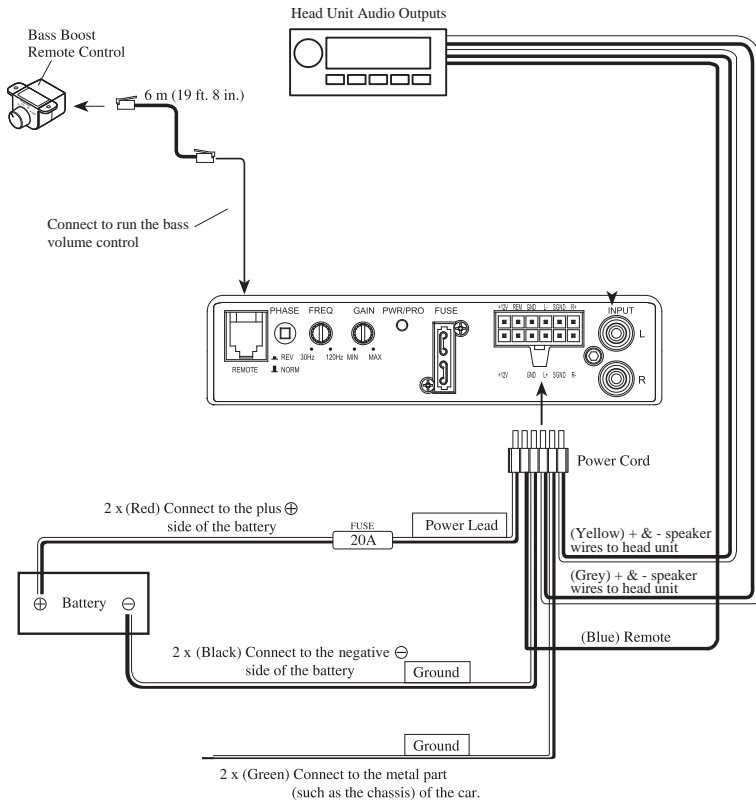
This diagram shows the ideal wiring setup using the head units SUB OUT RCA's (External Output)



**IF YOUR HEAD UNIT DOES NOT HAVE RCA OUTPUTS SEE THE
SPEAKER OUTPUT WIRING METHOD ON THE NEXT PAGE.**

WIRING USING SPEAKER OUTPUTS

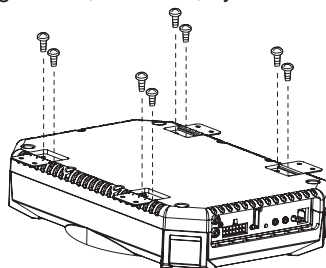
If your head unit does not have RCA outputs use the wiring diagram below. This method wires into speaker outputs.



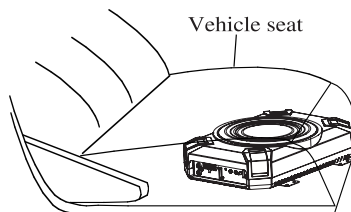
Before you drill or cut any holes, investigate your car's layout very carefully. Take special care when you work near the gas tank, fuel lines, hydraulic lines and electric wiring.

Step 1:

Place the mounting brackets on the aluminum base and fix them tightly with the 4mm x 8mm screws.

**Step 2.**

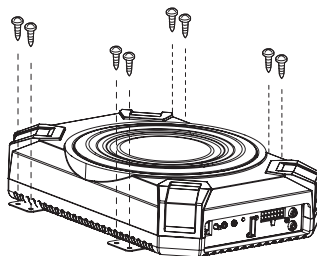
Find a suitable location in the vehicle in which to mount the subwoofer. A typical location is shown (right). Other areas include: boot and under the parcel shelf.



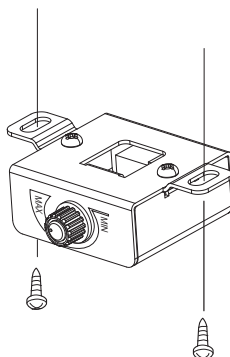
Make sure there sufficient air circulation around the intended mounting location.

Step 3.

Place the subwoofer in the desired location. Mark screw mounting points and drill out with 2.5mm (1/8 inch) drill. Mount using the 4 x 15mm screws.

**Step 4**

Attaching the bass boost remote control, mount with mounting screws (4mm x 15mm) at an easily accessible location such as under the dashboard.



For advice on simple problems during the course of installation, debugging and general use of the active subwoofer please check the table below:

ISSUE	OPTIONS
Power Indicator Light Off	Ensure ground wired is earthed correctly.
	Check the bass boost and wiring loom is fully plugged in, please check the connection.
	Fuse has blown, please change the fuse.
	Check +12V wiring connection.
Sound Distortion	Adjust the GAIN control. See page 7 for details.
Speakers are out of sound	Ensure the bass boost control is plugged in properly.
	Adjust the PHASE control. See page 7 for details.
	Head unit audio output wires.
Sound noise (only when starting the engine)	The signal input line is placed too close to the power cables. Keep them as far away as possible.



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